## LPD Engine Room Hot & Cold Checks/Tests

INSTALLED FIREFIGHTING EQUIPMENT	LC	)A	IA		
	Fwd	Aft	Fwd	Aft	
Halon MRC S-10 demonstration					
Halon MRC 18M-3R demonstration					
Halon bottle cal stickers, pressure, piping/nozzle					
integrity					
Halon actuation station integrity					
AFFF system operational test					
AFFF hosereel/nozzle operation					
Refractometer test (MIP 5551)					
Valve alignment/labeling					
Concentrate level in tank					
Space cutouts locked open					
AFFF hosereel activation stations					
Ellison door closure/Escape trunk lighting and integrity					
			ī		
Main Engine		DA	-	A	
	NR 1 ME	NR 2 ME	NR 1 ME	NR 2 ME	
Three point check					
Lube Oil sump level indicator					
Low Lube Oil Pressure Alarm					
Standby/Emergency LO Pump auto-start					
LO Pump Sequencing					
Unloader operation					
Operation of turning gear and shaft locking device					
Guarding valve remote operation					
Cycle ahead and astern throttle through full travel					
Wrong direction alarm					
EOT and ROT transmitter operation					
Operation of gland exhaust fan					
Shift, Inspect, and Clean Lube Oil Strainer (verify					
strainer basket integrity; vent valve, drain valve,					
equalizing valve operation; plug cock leakage; shaifting					
interlock; differential pressure)					
Spray shield integrity					
Gland seal regulator in parameter					
Vent fog precipitator operation					
MAIN CIRCULATING WATER SYSTEM	LC			<u>A                                    </u>	
	NR1	NR2	NR1	NR2	
Sea valve automatic/remote operation					
Emergency bilge suction valve operation					
Pump SLG for freedom of movement					
Pump SLG operation					
		<u> </u>			

IP'S SERVICE TURBINE GENERATOR	LOA		E TURBINE GENERATOR LOA IA		Α
	1A	1B	1A	1B	
Manual Trip					
Low LO Trip					
Backpressure Trip					
Low LO alarm					
Operation of elect LO pump and manual LO pump					
Sample lube oil, sump level, dipstick					
Rotor position, bearing temps, oil flow through SFIs					
Vent fog precipitator operation					
Alarm panel					
Gland seal operation					
Operation of Aux Circ Pump and Aux Cond Pump					
Shift, Inspect, and Clean Lube Oil Strainer. (Lube oil					
strainer spray shield integrity, plug cock leakage,					
differential pressure, interlocks.)					
Airbox telltale drains, temp alarms					
Overspeed Trip (manual trip must be demonstrated					
first)					
Reverse power relay trip operation					
Governor high and low speed stops (generator not					
overspeed before reaching the high speed stop)					
	2A	2B	2A	2B	
Manual Trip					
Low LO Trip					
Backpressure Trip					
Low LO alarm					
Operation of elect LO pump and manual LO pump					
Sample lube oil, sump level, dipstick					
Rotor position, bearing temps, oil flow through SFIs					
Vent fog precipitator operation					
Alarm panel					
Gland seal operation					
Operation of Aux Circ Pump and Aux Cond Pump					
Shift, Inspect, and Clean Lube Oil Strainer. (Lube oil					
strainer spray shield integrity, plug cock leakage,					
differential pressure, interlocks.)					
Airbox telltale drains, temp alarms					
Overspeed Trip (manual trip must be demonstrated					
first)					
Reverse power relay trip operation					
Governor high and low speed stops (generator not					
overspeed before reaching the high speed stop)					

UXILIARY TURBINE DRIVEN EQUIPMENT LOA			LOA I IA		
THE PROPERTY OF THE PROPERTY O		NR2 SLOP		•	
SLG freedom of movement		11112 0201	0201	11112 0201	
Position of overload nozzle					
Turn pump by hand	<u> </u>				
SLOP idle set point					
SLG at set point					
Constant speed governor proper operation					
Manual/emergency trip valve operation					
Low LO pressure trip restart feature					
Pump running in parameters					
MAINI CLIA ETINIC	1.0	> A		^	
MAIN SHAFTING		DA OTRR		A	
	PORT	STBD	PORT	STBD	
Stern tube flushing and cooling water supply, filtering					
system, and leak-by.					
Inflatable seal air/CO2 supply					
Inflatable boot operation					
Shaft coupling guards, slip ring and brush rigging					
condition, bulkhead seals					
Line shaft bearing sump level, dip-stick, oiler ring					
inspection, security seals, labels (IC, BC, date), lube oil					
sample					
ou.mp.o	<u> </u>				
MAIN CONDENSATE PUMPS	10	)A	1	A	
WAIN CONDENGATE I OWI O	1A	1B	1A	1B	
Run direction of rotation	1/4	10	IA	10	
Start/stop controller function					
Starvstop controller function	2A	2B	2A	2B	
Run direction of rotation	ZA	2D	ZA	ZD	
Start/stop controller function					
MAIN CIVITOURO ARRO A RIOTRIRUTION RANGE		<b>.</b> .		•	
MAIN SWITCHBOARDS & DISTRIBUTION PANELS		DA NIDO		A	
	NR1	NR2	NR1	NR2	
Ground Check					
AUTOMATIC / MANUAL BUS TRANSFERS		DA		Α	
<u> </u>	FWD	AFT	FWD	AFT	
ABT operation in both automatic and manual modes					
Shift MBT, check manual interlock (both sources					
available)					
SALINITY ALARM PANELS	LC	DA	I	A	
	FWD	AFT	FWD	AFT	
Salinity panel meter calibration test					
Salinity panel alarm set points					
Evaporator automatic dump valve set point					
Alarm panel silent alarm test					
	1				
Alarm panel circuit failure test					

FWD	FRESH WATER DRAIN COLLECTION TANK	LO	DA	IA		
ELECTRIC FIRE PUMPS  LOA  IA  NR2  NR3  NR4  NR5  Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  MAIN DRAINAGE SYSTEM  LOA  FWD  AFT  FWD  AFT  FWD  AFT  FWD  AFT  FWD  AFT  NR1  NR2  NR1  NR2  NR1  NR2  NR1  NR2  NR1  NR2  NR1  NR2  Compressor auto-start load/unload Low LO shut-down Low LO shut-down Low LO shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  Manually stroke, check for binding  VENTILATION  LOA  IA  FWD  AFT		FWD	AFT	FWD	AFT	
ELECTRIC FIRE PUMPS  LOA  IA  NR2  NR3  NR4  NR5  Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  MAIN DRAINAGE SYSTEM  LOA  FWD  AFT  FWD  AFT  FWD  AFT  FWD  AFT  FWD  AFT  NR1  NR2  NR1  NR2  NR1  NR2  NR1  NR2  NR1  NR2  NR1  NR2  Compressor auto-start load/unload Low LO shut-down Low LO shut-down Low LO shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  Manually stroke, check for binding  VENTILATION  LOA  IA  FWD  AFT	Vacuum drag piping					
ELECTRIC FIRE PUMPS  LOA  NR2  NR3  NR2  NR3  RR2  NR3  NR2  NR3  Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  NR4  NR5  NR4  NR5  NR4  NR5  NR4  NR5  NR4  NR5  Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  MAIN DRAINAGE SYSTEM  LOA  FWD  AFT  FWD  AFT  FWD  AFT  FWD  AFT  Silige suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA  NR1  NR2  NR1  NR2  NR1  NR2  NR1  NR2  Compressor auto-start load/unload Low LO shut-down Low LO shut-down Low LO time-delay Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  Manually stroke, check for binding  VENTILATION  LOA  FWD  AFT						
Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  MAIN DRAINAGE SYSTEM  MAIN DRAINAGE SYSTEM  LOA IA FWD AFT FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA IA NR 1 NR 2 NR 1 NR 2  Compressor auto-start load/unload Low LO shut-down Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  Manually stroke, check for binding  VENTILATION  LOA IA FWD AFT FWD AFT IFWD AFT IFW		l .			<u> </u>	
Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  MAIN DRAINAGE SYSTEM  MAIN DRAINAGE SYSTEM  LOA IA FWD AFT FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA IA NR 1 NR 2 NR 1 NR 2  Compressor auto-start load/unload Low LO shut-down Low LO shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  Manually stroke, check for binding  VENTILATION  LOA IA FWD AFT FWD AFT  FWD A	ELECTRIC FIRE PUMPS	LO	DA .	1	Α	
Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  NR4 NR5 NR4 NR5 Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  MAIN DRAINAGE SYSTEM  LOA IA FWD AFT FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA IA NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  MAIN STEWD AFT FWD AFT Manually stroke, check for binding  VENTILATION  LOA IA FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station				NR2	NR3	
Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  NR4 NR5 NR4 NR5 Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  MAIN DRAINAGE SYSTEM  LOA IA FWD AFT FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA IA NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  MAIN STEWD AFT FWD AFT Manually stroke, check for binding  VENTILATION  LOA IA FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station	Electric pump local & remote start/stop					
Check-valve pack leakage (no backwards pump rotation)    Electric pump local & remote start/stop   Suction/discharge valve local/remote operation   Check-valve pack leakage (no backwards pump rotation)    MAIN DRAINAGE SYSTEM						
Relectric pump local & remote start/stop   Suction/discharge valve local/remote operation   Check-valve pack leakage (no backwards pump rotation)			†			
Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  MAIN DRAINAGE SYSTEM  LOA FWD AFT FWD AFT  Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO shut-down Low LO shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES FWD AFT Manually stroke, check for binding  VENTILATION LOA FWD AFT FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station						
Electric pump local & remote start/stop Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  MAIN DRAINAGE SYSTEM  LOA FWD AFT FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA IA NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES Manually stroke, check for binding  VENTILATION  LOA IA FWD AFT FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station	Totalion)	NR4	NR5	NR4	NR5	
Suction/discharge valve local/remote operation Check-valve pack leakage (no backwards pump rotation)  MAIN DRAINAGE SYSTEM  LOA FWD AFT FWD AFT Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA IA NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES Manually stroke, check for binding  VENTILATION  LOA IA FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station	Electric pump local & remote start/stop	1	11.10		14110	
Check-valve pack leakage (no backwards pump rotation)  MAIN DRAINAGE SYSTEM  LOA  FWD  AFT  Align and operate eductor  Eductor capable of drawing vacuum IAW EOSS  Bilge suction strainers  Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA  NR 1  NR 2  NR 1  NR 1  NR 2  NR 1  NR 2  NR						
MAIN DRAINAGE SYSTEM  LOA  FWD  AFT  FWD  AFT  FWD  AFT  Align and operate eductor  Eductor capable of drawing vacuum IAW EOSS  Bilge suction strainers  Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA  IA  NR 1  NR 2  AR 1  NR 2  NR 1						
MAIN DRAINAGE SYSTEM  LOA  FWD  AFT  FWD  AFT  Align and operate eductor  Eductor capable of drawing vacuum IAW EOSS  Bilge suction strainers  Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA  NR 1  NR 2  NR 1  NR 2  NR 1  NR 2  NR 1  NR 2  Compressor auto-start load/unload  Low LO shut-down  Low LO time-delay  Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug)  Low control air alarm  Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  Manually stroke, check for binding  VENTILATION  LOA  IA  FWD  AFT  FWD  AFT  FWD  AFT  Indicator lights  Start/stop and high/low from local station	• • • • • • • • • • • • • • • • • • • •					
Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA IA NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  Manually stroke, check for binding  VENTILATION  LOA IA FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station	iotation)		<u> </u>			
Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA IA NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  Manually stroke, check for binding  VENTILATION  LOA IA FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station						
Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  Manually stroke, check for binding  VENTILATION  LOA IA FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station	MAINI DDAINIACE SVSTEM	1.0	<b>7</b> 4	<del>.</del>	^	
Align and operate eductor Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA IA NR 1 NR 2 NR 1 NR 2 NR 1 NR 2 Compressor auto-start load/unload Low LO shut-down Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  LOA IA FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station	WAIN DRAINAGE STSTEW					
Eductor capable of drawing vacuum IAW EOSS Bilge suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA IA NR 1 NR 2 NR 1 NR 2 NR 1 NR 2  Compressor auto-start load/unload Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  LOA FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station	Alian and apprata adjustor	FVVD	AFI	FVVD	AFI	
Bilge suction strainers Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA  NR 1  NR 2  NR 1  NR 1  NR 2  NR 1  NR 1  NR 2  NR 1						
Cycle main drains at local and remote stations (all)  LOW PRESSURE AIR SYSTEMS  LOA  NR 1  NR 2  NR 1  NR 1  NR 1  NR 1  NR 1  NR 2  NR 1  NR 1  NR 1  NR 1  NR 1  NR 1						
LOA						
NR 1 NR 2 NR 1 NR 2   NR 1 NR 2 NR 1 NR 2   NR 1 NR 2   NR 1 NR 2 NR 1 NR 2   NR 1 NR 2 NR 1 NR 1	Cycle main drains at local and remote stations (all)	<u> </u>	<u> </u>		ļ	
NR 1 NR 2 NR 1 NR 2   NR 1 NR 2 NR 1 NR 2   NR 1 NR 2   NR 1 NR 2 NR 1 NR 2   NR 1 NR 2 NR 1 NR 1	I OW DDESCLIDE AID SYSTEMS				•	
Compressor auto-start load/unload	LOW PRESSURE AIR STSTEMS					
Low LO shut-down Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug) Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  FWD AFT FWD AFT  Manually stroke, check for binding  VENTILATION  LOA IA FWD AFT FWD AFT  Indicator lights Start/stop and high/low from local station		NR 1	NR 2	NR 1	NR 2	
Low LO time-delay Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug)  Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  LOA FWD AFT FWD AFT Manually stroke, check for binding  VENTILATION  LOA FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station	•					
Compressor shut-down (high temp shut-down can by checked by removing the stage cannon plug)  Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  LOA FWD AFT FWD AFT  Indicator lights Start/stop and high/low from local station						
checked by removing the stage cannon plug)  Low control air alarm  Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  LOA  FWD  AFT  Manually stroke, check for binding  VENTILATION  LOA  FWD  AFT  FWD  AFT  FWD  AFT  Indicator lights  Start/stop and high/low from local station			ļ			
Low control air alarm Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  LOA FWD AFT FWD AFT Manually stroke, check for binding  VENTILATION  LOA FWD AFT FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station						
Compressor lead/lag settings  AIR PILOT/DIAPHRAGM OPERATED VALVES  LOA FWD AFT FWD AFT Manually stroke, check for binding  VENTILATION  LOA FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station						
AIR PILOT/DIAPHRAGM OPERATED VALVES  LOA FWD AFT FWD AFT  Manually stroke, check for binding  VENTILATION  LOA FWD AFT FWD AFT  Indicator lights Start/stop and high/low from local station						
FWD AFT FWD AFT	Compressor lead/lag settings					
VENTILATION  LOA IA  FWD AFT FWD AFT  Manually stroke, check for binding  VENTILATION  LOA IA  FWD AFT FWD AFT  Indicator lights  Start/stop and high/low from local station						
Manually stroke, check for binding  VENTILATION  LOA  FWD  AFT  Indicator lights  Start/stop and high/low from local station	AIR PILOT/DIAPHRAGM OPERATED VALVES					
VENTILATION  LOA IA FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station		FWD	AFT	FWD	AFT	
FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station	Manually stroke, check for binding					
FWD AFT FWD AFT Indicator lights Start/stop and high/low from local station				1		
Indicator lights Start/stop and high/low from local station	VENTILATION		1			
Start/stop and high/low from local station		FWD	AFT	FWD	AFT	
Start/stop and high/low from remote station	<u> </u>					
	Start/stop and high/low from remote station					

DISTILLING PLANT	LOA		IΑ	
	NR 1	NR 2	NR 1	NR 2
All pumps operating correctly				
Dump valve set point/automatic function				
Operating in parameters (temp/press/salinity)				

AUXILIARY MACHINERY COOLING WATER	LOA		LOA IA		A
	FWD	AFT	FWD	AFT	
AMCW Pump direction of rotation/output pressure					
AMCW Pump local/remote start/stop controller function					
Emergency reducer on line, able to maintain set-point					

## LPD Fire Room Hot & Cold Checks/Tests

BOILER BURNER FRONT	[	IA		A
<u> </u>	NR 1	NR 2	NR 1	NR 2
Quick closing valves at local and remote				
Burner root valve/SSD/ball check leakage				
Three-way valve operation and marking				
FO control valve/micrometer valve proper				
Air register freedom of movement				
Steam smothering system alignment				
Air casing lighting				
Steam atomization temperature				
Periscope lighting and alignment				
Sufficient number of burner barrels and				
Sample cooler preservation, operability,				
Soot blower element rotation/freedom of				
Main/Aux steam stops cycle locally/remotely				
Safety valve yoke clearance, lifting fork				
Pri/Sec RWLI tracking high/low water				
Boiler gage glass isolation valves &				
Sliding foot freedom of movement				
Test BID ac/dc power supply and operation,				
Bottom blow valve fasteners, orifice caps				

FUEL OIL SERVICE SYSTEM		LOA			IA		
	NR 1A	NR 1B	NR 1E	NR 1A	NR 1B	NR 1E	
Electric FO pump local/remote shutdown							
Electric FO pump discharge unloader							
Steam FOSP steam trip remote/local							
Clean Helan strainer							
	NR 2A	NR 2B	NR 2E	NR 2A	NR 2B	NR 2E	
Electric FO pump local/remote shutdown							
Electric FO pump discharge unloader							
Steam FOSP steam trip remote/local							
Clean Helan strainer							

MAIN FEED PUMPS	LOA			IA		
	NR 1A	NR 1B	NR 1E	NR 1A	NR 1B	NR 1E
MFP low suction trip	0	X		0	X	
MFP constant pressure regulator	0	X		0	X	
Emergency feed pump able to support boiler			X			X
	NR 2A	NR 2B	NR 2E	NR 2A	NR 2B	NR 2E
MFP low suction trip	0	Х		0	X	
MFP constant pressure regulator	0	Х		0	X	
Emergency feed pump able to support boiler			Χ			Χ

MAIN FEED BOOSTER PUMPS		LOA		A
	NR 1A	NR 1B	NR 1A	NR 1B
MFBP low discharge pressure alarm				
MFBP auto-start				
MFBP operating within normal parameters				
	NR 2A	NR 2B	NR 2A	NR 2B
MFBP low discharge pressure alarm				
MFBP auto-start				
MFBP operating within normal parameters				

ELECTRIC FORCED DRAFT BLOWERS	LOA		l,	Д
	NR 1	NR 2	NR 1	NR 2
Electric light-off blower operation/shutter				

FORCED DRAFT BLOWERS	LOA		IA	
	NR 1A	NR 1B	NR 1A	NR 1B
Shutter freedom of movement, capability to				
Manual LO pump operation				
LO system low pressure alarm				
LO system low pressure trip				
FDB minimum speed set point				
FDB SLG operation				
	NR 2A	NR 2B	NR 2A	NR 2B
Shutter freedom of movement, capability to				
Manual LO pump operation				
LO system low pressure alarm				
LO system low pressure trip				
FDB minimum speed set point				
FDB SLG operation				

AUTOMATIC BOILER CONTROLS		LOA		IA	
(	OLV/ABC not installed on LPD/AGF)	NR 1	NR 2	NR 1	NR 2
(	Operation/tracking of all final control				
(	Operation of master/element air locks,				
/	All control element fail positions correct				
I	Minimum signal selector (up ramp, FO				
I	-W control stability in automatic				

DEAERATING FEED TANK		LOA		IA	
		NR 1	NR 2	NR 1	NR 2
Operability o	f the MUF and dump valves				
Upper/lower	shell temperatures in				
D.O. test sati	sfactory, less than 15 ppb				
Aux exhaust	system valve sequencing				

SALINITY ALARM PANELS		LOA		IA		
		-WD	AFT	FWD	AFT	
Salinity panel meter calibration tes	st					
Salinity panel alarm set points						
Alarm panel silent alarm test						
Alarm panel circuit failure test						
FIRE ROOM REMOTE OPERATORS		LOA		IA		
	F	-WD	AFT	FWD	AFT	
Cycle boiler stops at local and rem						
Cycle FO cut-outs at local and remote						
•				•	_	
MAIN DRAINAGE SYSTEM			.OA		IA	
	F	-WD	AFT	FWD	AFT	
Align and operate eductor						
Cycle main drains at local and ren	note					
AIR PILOT/DIAPHRAGM OPERATED			.OA		IA	
		-WD	AFT	FWD	AFT	
Manually stroke, check for binding	9					
	_					
FUEL OIL TRANSFER SYSTEM			.OA		IA	
		-WD	AFT	FWD	AFT	
FOTP operation/demonstrate FO	transfer					
	_					
Align and perform token stripping of FO			.OA		IA	
		-WD	AFT	FWD	AFT	
Align and perform token pumping of bilge						
OIL LAB						
			OA	EWB	IA	
		-WD	AFT	FWD	AFT	
Conduct a thief sample on fuel oil service			1			
Conduct dissolved Oxygen test or		+		+		
Conduct Hydrazine test on DFT.			+		+	
Sample and test Boiler.						

## LPD Auxiliaries Hot & Cold Checks/Test

INSTALLED FIREFIGHTING EQUIPMENT	LOA		IA	
	FWD EDG	AFT EDG	FWD EDG	AFT EDG
Halon MRC S-10 demonstration				
Halon MRC 18M-3R demonstration				
Halon bottle cali stickers, pressure,				
Halon actuation station integrity				
AFFF system operational test				
AFFF hosereel/nozzle operaion				
Space cutouts locked open				
AFFF hosereel activation stations				
EMERGENCY GENERATOR & SWITCHBOARD	LC	DA .	L	Ą
	<b>FWD EDG</b>	AFT EDG	FWD EDG	AFT EDG
Generator "drop test", ability to assume load				
Generator manual trip				
Generator overspeed trip				
Generator low lube oil alarm/trip				
Generator remote shutdown device				
Generator JW high temp alarm				
Generator JW expansion tank low level alarm				
Generator Barring device interlock				
Generator Pre-lube pump operation				
SICLOS lube oil strainer				
Obtain and test jacket water sample				
Obtain and test lube oil fir dilution/acidity				
Generator Pedestal bearing high temp alarm				
Generator space CO2 flooding				
Generator salt water circ pump operation				
Generator emergency salt water reducing				
Check emergency switchboard for grounds				
Generator day tank level				
Space ABT operation				
Generator operating at normal temperatures &				
MAIN DRAINAGE SYSTEM	1.0	DA		А
WAIN DRAINAGE STSTEW			FWD EDG	•
Align and aparata adjuster	FWD EDG	AFTEDG	FWD EDG	AFTEDG
Align and operate eductor  Cycle main drains at local and remote stations				
Cycle main drains at local and remote stations				
FUEL OIL TRANSFER SYSTEM	1.0	<b>.</b>		^
FUEL OIL TRANSPER STSTEW		DA ACT CDC	FWD EDG	A CT CDC
FOTD energian/demonstrate FO transfer	FWD EDG	AFTEDG	FWD EDG	AFTEDG
FOTP operation/demonstrate FO transfer				
ELECTRIC FIRE DUMPS	104	1.0	1	
ELECTRIC FIRE PUMPS	LOA	IA ND 4		
Clastic manage lacal 0 manages to attack a	NR 1	NR 1		
Electric pump local & remote start/stop				
Pump auto-start capability				
Suction/discharge valve local/remote operation			ļ	
Check-valve pack leakage (no backwards			j	